

Converting Colors

$Y_{xy}(36.5205, 0.2560, 0.2002)$

Have a look what the booklet for
Yxy(36.5205, 0.2560, 0.2002)
contains.

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Color

Yxy(36.5682, 0.2559, 0.2004)

Conversions

Conversions Part 1

Format	Color
Hex	B48FFF
RGB	180, 143, 255
RGB Percent	71%, 56%, 100%
CMY	0.2941, 0.4392, 0.0000
CMYK	0.29, 0.44, 0.00, 0.00
HSL	260°, 100%, 78%
HSV	260°, 44%, 100%
XYZ	46.6956, 36.5682, 99.2122
YIQ	166.8310, -13.9000, 42.6760

Conversions

Conversions Part 2

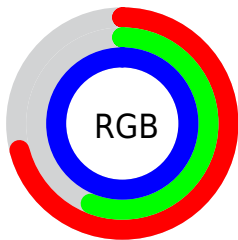
Format	Color
R_{YB}	180, 143, 255
Decimal	11833343
CIE _{Lab}	66.95, 36.98, -50.87
CIE _{LCh}	67, 62.895, 306.014
Yxy	36.5682, 0.2559, 0.2004
Android (android.graphics.Color)	4290023423 (0xFFB48FFF)
YUV	166.8310, 43.4673, 11.5492
Hunter-Lab	60.4716, 32.0106, -54.9434

Details

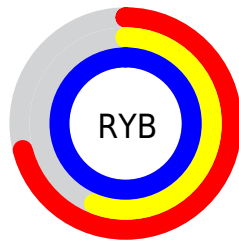
The Yxy color **36.5682, 0.2559, 0.2004** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **88.4087, 0.3527, 0.4478**, and the grayscale version is **38.3473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3296, 0.3028, 0.2700**, and **16.0166, 0.2384, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **27.8386, 0.2393, 0.1684**, and if you desaturate by 10%, it is **47.2917, 0.2715, 0.2326**.

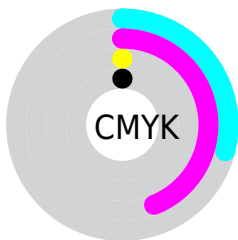
Distribution



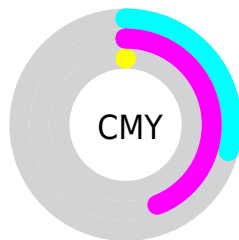
- Red (71%)
- Green (56%)
- Blue (100%)



- Red (71%)
- Yellow (56%)
- Blue (100%)



- Cyan (29%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5682, 0.2559, 0.2004 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 36.5682, 0.2559, 0.2004 by changing the saturation by 10% instead.

 36.5682, 0.2559,
0.2004


 36.5682, 0.2559,
0.2004


331.4373, 0.2858,
0.2600

 24.8733, 0.2483,
0.1872


 69.9082, 0.2669,
0.2209

 15.9827, 0.2386,
0.1711


 92.3221, 0.2710,
0.2289

 9.5119, 0.2259,
0.1514


119.0778, 0.2745,
0.2359

 5.0766, 0.2086,
0.1271

150.5597, 0.2774,
0.2419

 2.2923, 0.1844,
0.0969

187.1522, 0.2799,
0.2473

 0.7696, 0.1497,
0.0604

229.2397, 0.2822,

 0.0000, 0.0983,


0.2520


0.0000

277.2066, 0.2841,
0.2562


 0.0000, 0.0000,
0.0000


 36.5682, 0.2559,
0.2004


 36.5682, 0.2559,
0.2004


 27.8386, 0.2393,
0.1684


 47.2917, 0.2715,
0.2326


 20.9719, 0.2224,
0.1384


 60.1236, 0.2856,
0.2637

 15.8248, 0.2060,
0.1122

 75.1724, 0.2981,
0.2927

 12.2310, 0.1911,
0.0917

 92.5382, 0.3089,
0.3193

 9.9887, 0.1787,
0.0779

100.0000, 0.3127,
0.3290

■ 9.1160, 0.1724,
0.0723

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.5682, 0.1917, 0.1909



36.5682, 0.2559, 0.2004



36.5682, 0.3481, 0.2342

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



36.5682, 0.2559, 0.2004



36.5682, 0.4867, 0.4163



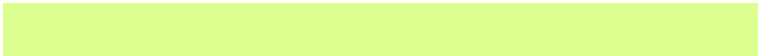
36.5682, 0.1920, 0.3597

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



36.5682, 0.2559, 0.2004



88.4087, 0.3527, 0.4478

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.5682, 0.2595, 0.4619



36.5682, 0.2559, 0.2004



36.5682, 0.4295, 0.4778

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



36.5682, 0.2559, 0.2004



36.5682, 0.4953, 0.3496



36.5682, 0.3466, 0.5060



36.5682, 0.1591, 0.2652

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



36.5682, 0.2559, 0.2004



36.5682, 0.4133, 0.2677



36.5682, 0.3466, 0.5060



36.5682, 0.2110, 0.3961

Sweetspot

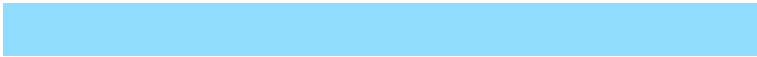
The Sweet Spot groups the original color and five complimentary colors.



36.5690, 0.2559, 0.2004



76.6731, 0.2991, 0.2953



64.0019, 0.2460, 0.2871



15.6483, 0.2965, 0.2891



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.5690, 0.2559, 0.2004



28.5625, 0.2409, 0.1713



44.4371, 0.3003, 0.2154



17.6692, 0.3030, 0.3048



4.8353, 0.1739, 0.0732



0.5274, 0.1860, 0.0798

Inverse Universe

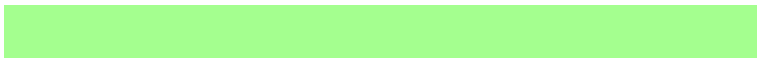
The Inverse Universe completely reimagines the original color for something new.



45.9675, 0.3510, 0.2532



39.3276, 0.3622, 0.2389



81.3463, 0.3178, 0.4621



18.1923, 0.3189, 0.3132



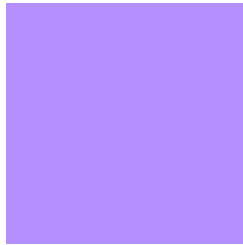
12.6691, 0.4265, 0.2123



1.2538, 0.4114, 0.2040

Previews

White Background



This preview shows how the Yxy color 36.5682, 0.2559, 0.2004 looks on a white background.

Color Contrast Check

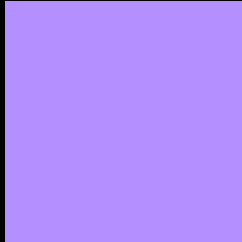
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 36.5682, 0.2559, 0.2004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

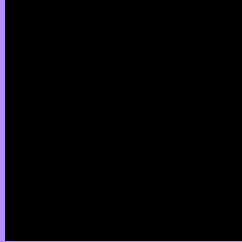
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5682, 0.2559, 0.2004

Background



This preview shows how black text looks on a background with the Yxy color 36.5682, 0.2559, 0.2004.



This preview shows how white text looks on a background with the Yxy color 36.5682, 0.2559, 0.2004.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

36.5682, 0.2559, 0.2004

Protanopia

36.8736, 0.2238, 0.2096

Deuteranopia

37.0814, 0.2221, 0.2161



Tritanopia

36.4382, 0.3042, 0.3106

Trichromacy



Original Color

36.5682, 0.2559, 0.2004

Protanomaly

36.4422, 0.2338, 0.2055

Deuteranomaly

36.4679, 0.2325, 0.2097

Tritanomaly

35.9690, 0.2855, 0.2639

Monochromacy



Original Color

36.5682, 0.2559, 0.2004

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.3479, 0.2907, 0.2745

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5682, 0.2559, 0.2004 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(180, 143, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 143, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(180, 143, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 143, 255) }
```

Border

The CSS property to change the border of an element to Yxy 36.5682, 0.2559, 0.2004 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 143, 255) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(180, 143, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(180, 143, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 143, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 143, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 143,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5682, 0.2559, 0.2004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 143, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(180,  
143, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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